Karissa Daniel

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SUMMARY

Backend / Full-Stack Software Engineer specializing in Java, Python, Spring Boot, REST API development, and SQL-based systems. Experience in cloud-native, containerized applications, microservices architecture, and CI/CD automation using Docker and GitLab. Strong background in system design, debugging, Agile development, and scalable backend services.

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, TypeScript, SQL, HTML5, CSS3
- **Backend & API Development:** Spring Boot, RESTful API Development, REST APIs, Microservices Architecture, API Integration, MVC, Authentication & Authorization, JSON, OpenAPI / Swagger, OAuth 2.0, JWT (project-based)
- **Databases & Data Layer:** MySQL, SQLite, PostgreSQL, Room ORM, JPA / Hibernate, DAO & Repository Pattern, Database Design, Query Optimization
- **Cloud, DevOps & CI/CD:** Docker, Containerized Applications, CI/CD Pipelines, GitLab CI/CD, AWS (EC2, S3, RDS - foundational), Cloud-Native Application Development
- **Frameworks & Platforms:** Angular, Node.js, npm, Thymeleaf, Android SDK, Material Design
- **Testing & Quality Assurance:** JUnit, Unit Testing, Integration Testing, Test Planning, Debugging
- **Software Engineering Concepts:** Object-Oriented Programming (OOP), SOLID Principles, Clean Architecture, SDLC, System Design, UML & Architecture Diagrams, Data Modeling, Agile / Scrum
- **Development Tools:** Git, GitLab, IntelliJ IDEA, VS Code, Postman, Android Studio
- **AI-Assisted Development:** GitHub Copilot, ChatGPT-assisted debugging, LLM-driven code generation, AI-based prototyping

EDUCATION

Bachelor of Science, Software Engineering — Western Governors University

November 2025

PROJECTS

Global Insights Dashboard (Angular & Spring Boot)

- Designed and implemented RESTful backend services aggregating multi-source global data (World Bank, FX providers, weather, population, time zones) into unified, production-ready API endpoints.
- Built microservice-style backend components with structured error handling, retries, and graceful degradation for unreliable external APIs.
- Implemented smart caching strategies using Spring Cache with Redis-ready architecture to improve performance and reduce external API dependency.
- Developed a Global Watchlist and Correlation feature, enabling users to track selected countries and visualize FX rates versus population data using Chart.js.
- Implemented client-side state caching and persistent user preferences using browser storage mechanisms.
- Delivered a responsive, production-ready UI with skeleton loaders, error states, and accessibility-aware layouts following modern frontend best practices.

Full-Stack E-Commerce Application (Java, Spring Boot, Angular, MySQL, Docker, CI/CD)

- Developed backend checkout workflows, customer account management, and cart persistence using Spring Boot and REST APIs.
- Designed and implemented database schemas and persistence layers using MySQL, JPA/Hibernate, and DAO/Repository patterns.
- Built RESTful API endpoints supporting authentication-aware workflows and transactional business logic.
- Implemented internationalization (i18n), currency formatting, and time zone conversion to support global users.
- Containerized application components using Docker and configured automated CI/CD pipelines for repeatable builds and deployments.
- Ensured clean separation of concerns using MVC architecture and backend service layering.

Android Travel Planner App (Android Studio, Java, Room ORM)

- Developed a mobile application using MVVM architecture with persistent Vacation and Excursion data storage.
- Implemented Room ORM and SQLite with optimized queries for reliable local data persistence.
- Built RecyclerView-based UIs, custom adapters, and Material Design–compliant interfaces.
- Added Android notifications and AlarmManager scheduling to support user reminders and trip planning workflows.
- Improved performance and maintainability through structured data modeling and lifecycle-aware components.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- CompTIA Project+
- ITIL 4 Foundation

PREVIOUS PROFESSIONAL HISTORY

Behavioral Care Manager — SleepCharge by Nox Health | Remote | 2022–2025

- Analyzed structured patient and behavioral datasets to identify trends impacting treatment adherence and outcomes.
- Applied data-driven decision-making to refine workflows and improve system-level processes across care teams.
- Collaborated with cross-functional stakeholders to monitor progress, document findings, and adjust treatment strategies.
- Maintained detailed documentation and ensured compliance with healthcare data standards and operational requirements.

Claims Associate / Adjuster — State Farm | 2020–2022

- Conducted structured investigations involving data analysis, rule-based decision logic, and policy validation.
- Evaluated liability, fraud indicators, and coverage scenarios using standardized frameworks and documentation systems.
- Ensured accuracy, compliance, and audit-ready documentation across high-volume claim workflows.
- Communicated complex technical and policy information clearly to internal teams and external stakeholders.

Sales Manager — AFNI | 2017–2020

- Led and coached a team of 15+ representatives using KPI-driven performance metrics and structured evaluations.
- Designed and tracked performance dashboards to monitor trends, outcomes, and improvement opportunities.
- Conducted weekly one-on-one reviews focused on goal tracking, process improvement, and skills development.
- Recognized for consistent top performance and leadership outcomes.